

2007-01-26 0230-0238PUS11

SEQUENCE LISTING

<110> KUBO, Tomoaki et al.

<120> METHOD FOR SCREENING GENOMIC DNA FRAGMENTS

<130> 0230-0238PUS1

<140> US 10/576,693

<141> 2006-04-21

<150> PCT/JP04/15743

<151> 2004-10-22

<160> 162

<210> 1

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A029B04 F: one terminus of DNA fragment A029B04.

<400> 1

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attctaaaaa agatgttgac aaatccagat tcccaattcc tcgcaggcct aatttaattt	120
tcccccatgg cacagggcca gcgaggtcgta tcaatcacta tgggagccat actattgttag	180
aagttctcaa ttagatattt gcaagcaatg tggcagaact ctctgtcgat atagtgaagg	240
tagctctgcc atgtacacag gagtgaggtg atgaaccaggc accctgtgtt tttaacaact	300
agataaggtg tttggcttct atttagagc tgcatggcat atatatattt agtagaaagta	360
aacatgcagt acattttcag tacacaagca tttttttctt	400

<210> 2

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A029B04 R: the other terminus of DNA fragment A029B04 to A029B04 F.

<400> 2

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tttccttatgt gtaaaactact gagattttgtt atggcaggtt ctgtggcaact tgcacaagga	120
ccagtttat tcctccttga actgtatatta accaccttt tcaccgacct tcctttcgag	180
tagctagaga catttctaca tgctcgaatt aattgtttaa tgcttaggaac tggatcccta	240
tttttgagtt acagaagttt ctagctactc tggatcttttgc ttctcacggg gtgcagctag	300
ctagcttcga taaacagctc aaaaaacaga aatttagtcc tggcaatgt atgtgccaaa	360
cttaatgcattt gagaatatgt tttttttctt catgttactt	400

<210> 3

<211> 300

<212> DNA

<213> Oryza rufipogon

<220>

<223> A028C04 F: one terminus of DNA fragment A028C04.

<400> 3

tcgattaaga cagcaggacg gtggcatgg aagtcgaaat ccgctaagga gtgtgttaaca	60
actcacctgc cgaatcaact agccccgaaa atggatggcg ctgaagcgcg cgacccacac	120
caggccatct gggcgagcgc catccccgaa tgatgtggag ggcgcggcgg ccgcccggaaa	180
acccggggcg cgagccccggg cggagcggcc gtcgggtcgat atcttgggtt tagtagccaa	240

2007-01-26 0230-0238PUS11

tattcaaaat agaactttga aggccgaaga ggagaaaggt tccatgtgaa cggcacttgc 300

<210> 4  
<211> 400  
<212> DNA

<213> Oryza rufipogon

<220>  
<223> A028C04 R: the other terminus of DNA fragment A028C04 to A028C04 F.

<400> 4

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gggctccagc	tatcctgagg	gaaacttcgg	aggaaaccag	ctactagatg	gttcgattag	120
tctttcgccc	ctatacccaa	gtcagacgaa	cgatttgac	gtcagtatcg	cttcgagcct	180
ccaccagagt	ttcctctggc	ttcggcccg	tcaggcatag	ttcaccatct	ttcgggtccc	240
gacaggcggt	ctccaactcg	aacccttcac	agaagatcag	ggtcggccag	cggtgccgccc	300
cgtgagggcc	tcccgctcg	cagttccctt	gcbcattcca	ggtttcagaa	cccgctcgact	360
cgcacgcatg	ttagactcct	tggccgtgt	ttcaagacgg			400

<210> 5  
<211> 400  
<212> DNA

<213> Oryza rufipogon

<220>  
<223> A048F12 F: one terminus of DNA fragment A048F12.

<400> 5

tcgatgttgt	cctcctcgag	gccgaggctg	acagagatgg	cgccgagaag	ccggagcccc	60
agttgccgga	cttctcgcca	gtacgtgctc	ataatctctc	tgcattcccg	aaaaaagtgc	120
aacggaaaat	taagcgcca	cgcctaatt	ttggcgttt	actgaaacta	tttgcgttcc	180
tggacttcag	ctagcttgc	tttactccag	cacattggat	tttggaaatta	acagacgaa	240
taggagaccg	atgaagaatc	ggtccccttc	ttttgcgag	gtcaagggtg	cggtttacct	300
tttccacat	ttgtctcgag	taaaaatctc	gcaagttcat	gcatgtctct	gtttagggtga	360
tttagcttct	acgtgattga	actgtattgc	tcgggttgtt			400

<210> 6  
<211> 400  
<212> DNA

<213> Oryza rufipogon

<220>  
<223> A048F12 R: the other terminus of DNA fragment A048F12 to A048F12 F.

<400> 6

tcgagtggtc	ggcgcccccc	ggccgggctc	catacggtg	gccacggcg	acggcactga	60
gctgcctaac	ccgtggaaaca	tcgaacacac	tcgtcgctc	tacccctgag	gggggggtcg	120
gggtgtcagg	ttcgggctcg	ggccaacccc	gcacccctc	gggcgtgcag	gttggccgg	180
gggctgcccac	acatgcacat	tcttatttct	cttatttgc	tatttcaata	aaagcagttt	240
caatttccta	aaggctgtat	ctgtgctgtt	gtttcttttgc	aagaatcttgc	acttgaata	300
ggtcactcgt	gctcaatcct	gccctcgggg	gctcgggtcg	gctaaaatcg	ccaaacgggg	360
cccgagaaccg	agccgtgccc	cggggcatgg	tgaactccgg			400

<210> 7  
<211> 400  
<212> DNA

<213> Oryza rufipogon

<220>  
<223> A049A01 F: one terminus of DNA fragment A049A01.

<400> 7

tcgaactaac gctaacaacg tgcagaaaat ctccctgcac ctcgtatgg ttcatggat 60

2007-01-26 0230-0238PUS11

cgtagtggc tccaataagt ggggcttcca ggcccatctt gctggggccc aatagtaccg	120
aaaacgaaag tagcaccaag cttccatgca cgacgacaga aacgagcgat gacatttttg	180
tttcttggg aagaaggaca acacaaccga tccgttagct tgtccatttc gaccctaagt	240
ggtgcaaaat gattggagaa ttagtccacca aaataaataa ttgtactagt tctaagttct	300
gataacacaa ctagtgacca accatgacta gttctttaga gatgggtttc agatttcag	360
tacagagccg acgcaagttc agtggcaga tgccaaat	400

<210> 8  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A049A01 R: the other terminus of DNA fragment A049A01 to A049A01 F.

<400> 8	
tcgagtgcc tcctcttctc aatgagagta accattgaaa ttctaacatc tattccatca	60
taaattctt tttggagcag ctgttttgtt ctgacaatt aaaacgcgtg ttaagaaaaa	120
caccgcctt tctattacaa tattttgctg tggatttcc ctgattaata ccatatgaac	180
tttatctta catattgcat tgtcttcatc gccaaaagtg agtacttcc agttttctt	240
ttctatatat gcagcacaga tgattttgtt tttagaacatg atgatacaga gataacaacc	300
gaatcaaccc catttgctat tgcacttgca aaacatttgc actctgttgg cgctaagatg	360
tatggagcat tctggtgttc tcattgtAAC gaacaaaaac	400

<210> 9  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A046A06 F: one terminus of DNA fragment A046A06.

<400> 9	
tcgaactacc gagctcccc taatcatttc gtcttccaag aagacgacgt gtctcgttc	60
tacaacttt gtataattgt ttggataata gaaacgataa cctttgatc tttcaggata	120
gcaataaaa tggcagctga ctattttggg atccaatttc caaggtttgg gttaaatatt	180
ttagcctcta caggactccc ccacacatgg aggtgagcta gcgagggtac tctcccgtc	240
catagctcat acagtgtttg ggcacccgatt tgcttggAAC tctgttgagg atatgaatgg	300
cggttttaa tgtctctatc cataaacccca atggtagagt ggagtagctc atcatgctgc	360
gcaccatatac cataagggtt cggtagcc tttcagctac	400

<210> 10  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A046A06 R: the other terminus of DNA fragment A046A06 to A046A06 F.

<400> 10	
tcgaacttgt cttccaaattt gcgtacctct tgcgtatgt ccatcatgtt gtcgtcaagg	60
caggaccact ctttcataac ttgggtgaca actagctgtg aatcgccctcg aactattaga	120
cgctttatcc ctagagaaaat tgcgtatccgc agtccatgga ggagcgccctc gtactcggcg	180
acgttgttag acgcccggaa atgtatccaa agcacatagc ttaatcttc tccagtccgg	240
gaaataaaaa ccactcctgc tccagtggcc gaaagtgcgt tcgaccgcgtc gaaatgcata	300
gtccagtgct caatcttctc cgcgggggtt tccctctggc actcggtcca ttccggcgaca	360
aatcagcta acgttggga ctgttggaa gttcgggggtt	400

<210> 11  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

2007-01-26 0230-0238PUS11

<220>

<223> A045B09 F: one terminus of DNA fragment A045B09.

<400> 11

tcgacgacga	cgcggcgaag	ccgaaggagg	cggcaccgag	aggggagggaa	gtccggagcg	60
acggccggcg	cgaaccggag	ctcgatcg	acggcggaga	gagaggaaga	cgacgcgagc	120
gcatccga	cggtgagagc	gagcggcgaa	cggcggaaac	ggaggagaga	ggcgcgaggg	180
acgcttaaat	agcgacggga	ggggggagaga	cgccgcggag	agggagaaaat	cggccgcgga	240
aatctcgcc	gccattgatt	gcgcggcga	ggaatgcggg	agagaatccg	gacgcattcg	300
aggagagag	agagggggga	aagcggggga	aacgggagag	ggaatcgcgg	ggaatgattc	360
cccatttcatt	atggcgcgcg	gggacggcgg	gatgcggcgg			400

<210> 12

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A045B09 R: the other terminus of DNA fragment  
A045B09 to A045B09 F.

<400> 12

tcgagatgc	ctgtggagt	gtgttcccgc	tgcagttcaa	gtcaaggctt	agctccagtt	60
ttcttttgtt	ttccgctgca	tttctgttaag	acttttatga	tgtttgttaag	acgtggatct	120
aatgtcaac	atagtcgttt	gtgtaccccg	gccggtcctg	gacgggggtt	ttaatgcaca	180
ttctgttgg	aatccttattc	gggaatttct	gggcgtgaca	gcggctgaca	gccggggcccc	240
acgcggcagc	cgctcgggtgc	gcccgaaggc	ggccacggcg	gcgcggccgg	cgggaggcgg	300
ctcgcccgcg	cccctatggt	cgccggcgcc	ggccataggc	acgtcggagc	agcgcggcag	360
agaggggagg	gaaagggggga	aacgaagcgg	cggtccacgg			400

<210> 13

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A049A07 F: one terminus of DNA fragment A049A07.

<400> 13

tcgagcagtc	cgcggcagc	cgacgggttc	ggggccggga	cccccgagcc	cagccctcag	60
agccaatcc	tttcccgaag	ttacggatcc	gtttgccga	cttcccttgc	ctacattgtt	120
ccatggcca	gaggctgttc	accttggaga	cctgatgcgg	ttatgagtag	gaccggggcgt	180
ggacggtaact	cggtcctccg	gattttcaag	ggccgcgggg	ggcgcaccgg	acaccgcgcg	240
acgtcggtg	ctcttccggc	cgctggaccc	tacctccggc	tgaaccgtt	ccagggttgg	300
cggccgtta	agcagaaaag	ataactttc	ccgaggcccc	cgccggcg	tccggacttc	360
ctaacgtcgc	cgtcaaccgc	cacgtcccg	ctcgggaaat			400

<210> 14

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A049A07 R: the other terminus of DNA fragment  
A049A07 to A049A07 F.

<400> 14

tcgaaccatc	tagtagctgg	ttccctccga	agtttccctc	aggatagctg	gagccatta	60
cgagttctat	cgggtaaagc	caatgattag	aggcatcg	ggcgcacgc	cctcgaccta	120
ttctcaaaact	ttaaataggt	aggacggcgc	ggctgctccg	gtgagccgc	ccacggaaatc	180
gggagctcca	agtggccat	ttttggtaag	cagaactggc	gatgcggat	gaaccggaaag	240
cctggttacg	gtgcccgaact	gcgcgctaac	ctagaacc	caaagggtgt	tggtcgatta	300

2007-01-26 0230-0238PUS11

agacagcagg acggtgtca tggaaagtca aatccgctaa ggagtgtgt acaactcacc 360  
tgccgaatca actagccccg aaaatggatg gcgctgaagc 400

<210> 15  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A040D06 F: one terminus of DNA fragment A040D06.

<400> 15  
tcgacgggtt ctgaaacctg gnatgcgcaa ggaagctgac gagcggagg ccctcacggg 60  
ccgcacccgct gccgcacctt gatcttctgt gaagggttcg agttggagca cgcctgtcg 120  
gaccggaaag atggtaact atgcctgagc ggggcgaagc cagaggaaac tctgggtggag 180  
gctcgaagcg atactgacgt gcaaatcggt cgtctgactt gggtagatgg gcaaagact 240  
aatcgaaacca tcttagtagct ggttccctcc gaagtttccc tcaggatagc tggagccat 300  
tacgagttct atcggttaaa gccaatgatt agaggcatcg ggggcgcaac gcccctgacc 360  
tattctcaaa ctttaatag gtaggacggc gcggctgctc 400

<210> 16  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A040D06 R: the other terminus of DNA fragment  
A040D06 to A040D06 F.

<400> 16  
tcgagccccc aactttcggtt cttgattaat gaaaacatcc ttggcaaatg ctttcgcagt 60  
tgttcgcttt tcataaaatcc aagaattca cctctgacta tgaataacga atgccccga 120  
ctgtccctat taatcattac tccgatcccg aaggccaaca caataggacc ggaatccat 180  
gatgttatcc catgctaatg tatccagagc gatggcttgc tttgagcact ctaatttctt 240  
caaagtaacg ggcgcggagg cacgaccgg ccagttaaagg ccaggagcgc atgcggca 300  
gaagggtcga gcaggtcgtt gctcgccgtg aggccgaccg gccggcccg cccaagggtcc 360  
aactacgagc ttttaactg caacaactta aatatacgt 400

<210> 17  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A036A03 F: one terminus of DNA fragment A036A03.

<400> 17  
tcgaaaatga ccgtcaacaa aaccccccac gcttgaacct ttgtctcatcc cgagtgaagg 60  
acgaaaggaa acaaagactt ggatgttgat cagaagttgc tactatgctg catatctcaa 120  
agatacaggt gcaaggcata tgtactctc cttagattaa ataatcttgc gcatgggtggc 180  
ttatccttac ccctgattct catgagacac tacttctcct tgccttggc ggttgaaga 240  
cagaacaaca attagagcac caatcacccg atctttattc aattcttattt ctggaaagtt 300  
ttcaaatgt tttgcaaaaga aaaccaagtt cctcaaatga ttcaactcgt ctctctaagt 360  
gtatcatttc gaattcctca ccaaatgatg cctttttgt 400

<210> 18  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A036A03 R: the other terminus of DNA fragment  
A036A03 to A036A03 F.

2007-01-26 0230-0238PUS11

<400> 18  
tcgatgcatt gagcagaaaag gaatattgt aatcaagcaat tatccaagg a t g c c c a c a t g 60  
aactgc aaaa g g a a a t a c a a a c a t t a a g a t t g g a g t t t a c a g a a c c c g g a a c t t t g g c a a 120  
ctcttagggt a a a a c c a a c a c t t c t a g a t c a g t c t g t a t g c t c a g a a g a g a t g a a g 180  
a a t t a a g a a g a t t g a a t t g a a a g a t t g a a a g a t t t t a c g g a a a a a c a 240  
a t g a t g g a c t t c t a g a t t t a a a g g a c g t c t t t g c a t c c a g a c a g g a a a g a a t c a a g g 300  
a t t a a t t t t g a a a g g c c a t c g c t c a c t t t t c t a t c c a t c t g g a a g c a c c a a g a 360  
t g t a t c a t g a c t t t t t g g t g a a g a a t a t 400

<210> 19  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A051E08 F: one terminus of DNA fragment A051E08.

<400> 19  
tcgatgaaga acgtacgaa atgcgatacc tggtgtgaat tgcagaatcc cgtgaaccat 60  
cgagtcttg aacgcgaattt ggcggccgagg ccatccggcc gagggcacgc ctgcctggc 120  
gtcacgcca a a a g a c g c t c c a c g c g c c c c c c c t a t c c g g g a g g c g c g g g a c g c g g t g t 180  
ctggcccccc ggcctcgcg ggcgggtggg ccgaagctcg ggctccggc gaagcgtgcc 240  
gggcacagcg catgggtggac agctcacgct ggctcttaggc cgcaatgcac cccggcgcgc 300  
ggccggcgcg atggcccctc aggacccaaa cgcacccgaga gcaacgcct cggaccgcga 360  
ccccaggtca ggcgggacta cccgctgagt ttaagcatat 400

<210> 20  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A051E08 R: the other terminus of DNA fragment A051E08 to A051E08 F.

<400> 20  
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cgccgcgcg cccggacggcc a g g g c c g a c c g g c g c g g g c g t a t c g c t g t t c c t c g c g c g c 120  
ttgacgcgtt cggcgcgtt ggttctgtt cggccgggg gcctcggtt ttgttcaggg tcacgacaat 180  
gagcgcctcg cgggcagggg tgacgcgttc gggctctgtt ttgttcaggg tcacgacaat 240  
gatccctccg cagggttcacc tacggaaacc ttgttacgac ttctcccttc tctaaatgat 300  
aagggtcaat ggacttctcg cgacgtcggg ggcggcgaac cgcggccgtc ggcgcgatcc 360  
gaacacttca cccggaccatt caatcggttag gaggcgcggg 400

<210> 21  
<211> 300  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A023D09 F: one terminus of DNA fragment A023D09.

<400> 21  
tcgacgccc a c t g a t g a g c a a t g a t t c g t a a t a c t a c t a a t a a t c t a g c a g c a t g a t a 60  
cggagccatca a c g t t a a g t a a g t a g a g c a g c a t c c a t c a a g a a g g a a g c g t c t c c t c 120  
c a c t g c c g a g t g a c a c c a c g c t c t g t c c t g t a c c a c t a t c g c t a c t t a a t g c c t a a t c c 180  
t c c t c c t g t c g t a c a a g t a c a c g a a a c a g a a t a a a a c a a a t a a a g a c a a a g t t t t t a a 240  
a a a a a a a t t g t c t g a a g a t t a a t t a a g a g t a t g t g a a g a g a a a g c a c a a c 300

<210> 22  
<211> 360  
<212> DNA

2007-01-26 0230-0238PUS11

<213> Oryza rufipogon

<220>

<223> A023D09 R: the other terminus of DNA fragment  
A023D09 to A023D09 F.

<400> 22

tcgaatgcca	gttaaaagtga	tgcatttcca	gcgaatcaac	tcttgcgatg	gtagatgtgc	60
aattttctca	ccagatttgg	ctgatagcca	ttagtctgct	gtactattaa	acctgctctg	120
atcttagggtt	ccagcccccc	accacggccg	cacagccatg	gatgagcatac	caaggcagcca	180
cgcgcgagcg	tgtgtggagg	cggcccagac	tgaagcaaata	cagaatctg	gtgatggtaa	240
tggtgaaggc	gagcacacca	aaccaaaaac	caaataaaaa	gctcaactga	aacaaacgta	300
cgaatcatcc	atccatcgcg	cgggttgtgc	tcagatctca	gcgtgggctc	ggcgcagtag	360

<210> 23

<211> 300

<212> DNA

<213> Oryza rufipogon

<220>

<223> A030B02 F: one terminus of DNA fragment A030B02.

<400> 23

tcgaagcttc	acagttgata	acttgacatg	gtcatcagca	ctatacatgt	catgttggga	60
gttagcagcc	ttcaactagt	actttattag	gtgcctgaat	aatcgaggtg	gtataattca	120
ttcagacatg	tgccccgttaa	aacttctagg	gaaacttaaa	ttatggcctt	tacattaaaa	180
aaactaaaat	tatTTTCTTA	aaaaaaactta	aattatgtt	cagactctac	aagaaacgcc	240
cataagtctt	tcgactagct	tcacaaggtg	gtgggctaga	caacctgggt	tcgaaacctc	300

<210> 24

<211> 280

<212> DNA

<213> Oryza rufipogon

<220>

<223> A030B02 R: the other terminus of DNA fragment  
A030B02 to A030B02 F.

<400> 24

tcgaggtgaa	ctatTTTTTT	tcttttttta	agttcggtat	tcttttcttt	actacggtaa	60
atttcagtaa	atacaaggag	tacatcaatt	tttccgaaaa	tttctatccc	aattgtcggt	120
gacatgggac	cgggagtagtac	atgactagag	gcttgaggca	gacacaatcg	cccacgtggc	180
ctggcacccct	cggggggacgt	cggggccgag	ggtgatgtgt	tcgcccctct	tttagtctcc	240
ccgagggggt	cggaccactc	ccgcctcgcc	cccgaggggcc			280

<210> 25

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A043F04 F: one terminus of DNA fragment A043F04.

<400> 25

tcgaccaccc	tctcagaagc	aaaatgtaca	aacagagggt	gctgaagaag	attcgagttt	60
ccattggcac	aattcagatg	gcagtcacca	tgctgagctt	gaagatagac	atggatacacg	120
acacaagagg	gcatgctgca	cgcgtattgc	tggagctcgc	gcctgacctc	caggtggaga	180
gctttctgg	tatcctgcct	gcaatctcct	cactgcttag	cacaacaag	ggggccacaa	240
acagtgaaag	ctccagcaac	ccaatcactg	cagtggccga	cgcaacttta	aaatatagat	300
gggacggaga	acggagatgt	tcactcgata	agagcaatcg	aacacaacac	atatcgatt	360
aatagtttat	tcgtataagt	gtctcaatct	gttggatgtt			400

2007-01-26 0230-0238PUS11

<210> 26  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A043F04 R: the other terminus of DNA fragment  
A043F04 to A043F04 F.

<400> 26  
tcgatagcac cattggact atactggaca taccaaactaa gaccaaggat aggctgaaaat 60  
cacgttagga cctcgtggat atgcaaataa ggaaagagta ccttccgcct gcttgctaca 120  
ccttgacaag agaggacaaa attgcattgt gcaaatccct acatggggtg agagtgccta 180  
ctgccttctc ctcaaacatt aagcgactag tgcgtatgaa ggatctgtcg ctttcaggct 240  
acaattctca taactgtcat gtaatgctca cagtattcct tgccattgca actagagcag 300  
tcgaacccac gtctgcagaa attagcacca tatacaatcc ttacatttat tcgaaatgca 360  
gaataacata acataacaata ccctaaattt gttcgaatca 400

<210> 27  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A049E02 F: one terminus of DNA fragment A049E02.

<400> 27  
tcgattaaga cagcaggacg gtggcatgg aagtcgaaat ccgctaagga gtgtgttaaca 60  
actcacctgc cgaatcaact agccccgaaa atggatggcg ctgaagcgcg cgaccacac 120  
caggccatct gggcgagcgc catccccga tgagtaggag ggcgcggcg cccgcgaaaa 180  
acccggggcg cgagcccggg cggagcggcc gtcgggtcag atcttggtg tagtagcaaa 240  
tattcaaatg agaactttga aggccgaaga ggagaaaaggt tccatgtgaa cggcacttgc 300  
acatgggtaa gccgatccta agggacgggg taacccggc agagagcgcg accacgcgcg 360  
tgccccgaaa gggaaatcggg ttaagatttc ccgagccggg 400

<210> 28  
<211> 400  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A049E02 R: the other terminus of DNA fragment  
A049E02 to A049E02 F.

<400> 28  
tcgaccgaat cgggttttcg gtcggtcggc cgggtgggtgg ctgcacgagc cagcccttcc 60  
caactcgcgc acgggtgccg gtcggtcggc cggcgccccg aacgtggacc gaaccgggtg 120  
ccgtgcgcgt ggcagcccg ccattcccttc cccccctacta tagtcgtggg ccatagccag 180  
ccccacgcac ccctagcgtc cagcccttca cagctcgac acagtttcg gccgggtcgc 240  
cggcggaccg aacgtcgacc gaatcgggtt ttcggtcggc cggccgggtgg gtggctgcac 300  
gagccagccc ttcccaactc gcgcacgggtt gccggtcggc cggccggcg cccgaacgtg 360  
gaccgaacctc ggtgccgtgc gcgtggcagc ccggccatcc 400

<210> 29  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A010C09 F: one terminus of DNA fragment A010C09.

<220>  
<221> misc\_feature

2007-01-26 0230-0238PUS11

<222> (35)..(35)  
<223> n is a, c, g, or t

<220>  
<221> misc\_feature  
<222> (484)..(484)  
<223> n is a, c, g, or t

<220>  
<221> misc\_feature  
<222> (488)..(488)  
<223> n is a, c, g, or t

<400> 29  
tcgaccgaat cgggttttcg gtcggtcggc caggnnggtg gctgcacgag ccagcccttc 60  
ccaactcgcg cacgggttgcg ggtcggtcgg cccggcgccc gaacgtggac cgaaccgggt 120  
gccgtcgcg tggcagcccg gccatccctt cccccctact atagtctggg gccatagcca 180  
gccccaaacgca cccctagcgt ccagcccttc acagctcgca cacagtttc ggccggctgt 240  
ccggcggacc gaacgtcgac cgaatcggtt tttcgccgg tcggtggctg cacgagccag 300  
ccctttccaa ctcgcgcacg gttccgggtc ggtcgccccc gcgaccgaac gtggaccgaa 360  
ccgggtgccc tgcgctggc agcccgccca tcccttcccc cctactatag tcgtggggcc 420  
atagccagcc caacgcaccc ctagcgtgca gcccttcaca gctcgcacac agtttcgg 480  
cggnncgancg gcggaccgaa 500

<210> 30  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A010C09 R: the other terminus of DNA fragment  
A010C09 to A010C09 F.

<400> 30  
tcgatgtcggt ctcttccttat cattgtgaag cagaattcac caagtgttgg attgttcacc 60  
caccaatagg gaacgtgagc tgggtttaga ccgtcgtgag acaggttagt ttacccctac 120  
tcatgaccgt ggcgcgatag taattcaacc tagtacgaga ggaaccgttg attcacacaa 180  
ttggtcatcg cgcttgggtt aaaagccagt ggcgcgaagc taccgtgtgc cggattatga 240  
ctgaacgcct ctaagtgcaga atccaagcta gcaagcggcg cctgcgcggcc cggcccgccc 300  
cgaccacgt taggggcgcg agcccccgaag ggcccgtgcc accggcacaag cggccccggc 360  
cgacgcgcgcg cggccggccg cctcgaagct cccttccaa cggggcggcgg gctgaatcct 420  
ttgcagacga cttaaatacgt cgacggggca ttgtaagtgg cagagtggcc ttgctgccc 480  
gatccactga gatccagccc 500

<210> 31  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A011C02 F: one terminus of DNA fragment A011C02.

<400> 31  
tcgagttagg gatttgattt aagagtcaat catttggcca tgcactcaag tttcaagttt 60  
gagatgttgc tgaagagtca atcaatctct aacctgtggg ttaagtagat acatgcctta 120  
taaatatcgat tatattttaga aatacggtaa ttaccatata ataagaaacg gtaatttcca 180  
caagaatacg gtaaatacgaa aatatgatcggttacaacagca aaaccatttc cgtttctgtt 240  
tccatattttt ttaccatttc catatttttt ggtcgattt catttccata tagtcggcc 300  
ggttaaaaagt aaaaaacgaa cgccagtcgg ccgggaattt ccgttaccat tttcacctt 360  
aagccaaacg atgggtggcct tagcatccac agttcaactt ccatctcaaa gaaaaaaagaa 420  
aaaggattga agcttcatgc cgagtgaaac catgggatgc tgttagtaaca cagacgctaa 480  
agatcgcagc attacaattt 500

2007-01-26 0230-0238PUS11

<210> 32  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A011C02 R: the other terminus of DNA fragment  
A011C02 to A011C02 F.

<400> 32  
tcgaaggtgg tgtcaaatta tagccagcca atacatgaac aagtttagaaa actgtcaaaa 60  
cccaattcat caatagttga gatttgatgg tggtatattt ttttccttt tttctgatta 120  
tgaccttta gggttgtaat cttgtatattt ttttctctgg aactttgcac gtttggtaaa 180  
aaaaaacagt tgggactttt caagaaaaaa aaaacggccg gagcactgtc aaacgaactc 240  
actaataggc ctgcgaatct tattgggctt ttcacgaaca aaggcccata aaatgttagcc 300  
cattaggcc caaactgtac atcacccgtg attaaacggc ccagcccaa catcataaaca 360  
ctggataggg tgcagacaag ggtcccaccc gtcagatccc gacacgtcat cattgccat 420  
ccgcttccag aagcagcggc aagttccat ctccttcttc cccttggctt ttatcgctc 480  
gatcaggtgg cagcagaacac 500

<210> 33  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A010B03 F: one terminus of DNA fragment A010B03.

<400> 33  
tcgaacagcc gactcagaac tgg tacggac aaggggaatc cgactgttta attaaaacaa 60  
agcattgcga tgg tcctcgc ggatgctgac gcaatgtat ttctgcccag tgctctgaat 120  
gtcaaagtga agaaattcaa ccaagcgcgg gtaaacggcg ggagtaacta tgactcttt 180  
aaggtagcca aatgcctcgat catctaatta gtgacgcgcg tgaatggatt aacgagattc 240  
ccactgtccc tgg tctactat ccagcgaac cacagccaag ggaacgggct tggcggaaatc 300  
agcggggaaa gaagaccctg ttgagcttga ctctagtccg actttgtgaa atgacttgag 360  
aggtgttagga taagtgggag ccctcggcg caagtgaaat accactactt ttaacgttat 420  
tttacattt ccgtgagtcg gaagcggggc ctggccctc ctttggctc taaggccgaa 480  
gtccctcggg ccgatccggg 500

<210> 34  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A010B03 R: the other terminus of DNA fragment  
A010B03 to A010B03 F.

<400> 34  
tcgaaggatc aaaaagcaac gtcgttatga acgcttggct gccacaagcc agttatccct 60  
gtggtaacct ttctgacacc tctagcttca aactccgaag gtctaaagga tcgataggcc 120  
acgcttcac ggttcgatt cgtactggaa atcagaatca aacgagctt tacccttttg 180  
ttccacacga gatttctgtt ctcgttggc tcatctttagg acacctgcgt tatctttaa 240  
cagatgtgcc gccccagcca aactccccac ctgacaatgt cttccggccg gatcggcccg 300  
agggactcg ggcttagagc caaaaggagg ggccaggccc cgcttccgac tcacggaaata 360  
agtaaaataa cgttaaaagt agtggatattt cacttgcgcc cgagggtctcc cacttatcc 420  
acaccttca agtcatttca caaagtccggc cttaggtcaa gctcaacagg gtcttcttc 480  
cccgctgatt ccgccaaggc 500

<210> 35  
<211> 500

2007-01-26 0230-0238PUS11

<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A009F06 F: one terminus of DNA fragment A009F06.

<400> 35  
tcgagttga ttcggattcg ttttccccg aagttccctt ctcgcccgg gtcgcccgtgg 60  
gcctcgtcg ccgcttgcta gccccttat aaggatcccc ggtgtctcct ctacccggccg 120  
ccaccctcgcc ttcgcctct cgccgccc agagccctag cgccgtgcaa ctttgcggccg 180  
ccgtcgccgc cgtcgctcca atcgtgcgcc gccgtcgctc cagccgtcgc cgtcgctcgg 240  
gaagaccgtc atcgtggtcg ccgtcgccgtc gccgtcctcg tccgcccctt cgccgtcgcc 300  
ggagatcgcc ggagcgtcat cgccgcccgtc gacccgaaga gcttcgcccgt ttccctcctcg 360  
tcgcccgtcac cgtccgttgc ctctccggcc tcgcttttgt cgtcgggtgag ttccggccgtc 420  
cgtccgctac ccgttgggtgc ctcccggttgc cgtccctcgcc cgccgcccgg agccgtccgc 480  
tccgcccggc cgccgcccggc 500

<210> 36  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A009F06 R: the other terminus of DNA fragment  
A009F06 to A009F06 F.

<400> 36  
tcgaatagcc gtgcccgcgg ttatggcgg gtctaaacaat gtcttcgtg attagtctca 60  
cccttctcac catagtaaat gatgtataa ttggtaataa tttgatttagc tcctgggttg 120  
gaatgaaata ttccctgggtt ggagatagaa ctgtcagcc gggatgggtt ttcaagattgg 180  
ttggcctat acaacagggg atgttgtata gcgttggatt aataactgctt aattaatatt 240  
taactgtttt aaattctcaa atgttgtcta aatgctgctt ttgcaaatgg agccctattta 300  
tgccatcctt tggttatcctg tgcaatttgca tatttgctgc gtggcttgct gagtatgtca 360  
tataactcacc ttgcaatcat tcattcagag gaagagttct tcagtgaagc tgatgggttg 420  
gaggatttagg tgttagccttg gtcaagctgc ctgtggagtg gagccgtcta cgctgtttat 480  
tttattttcc gctgcttaga 500

<210> 37  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A009E11 F: one terminus of DNA fragment A009E11.

<400> 37  
tcgagttgga gcacgcctgt cgggaccgg aagatggta actatgcctg agcggggcga 60  
agccagagga aactctgggt gaggctcgaa gcgatactga cgtgcaaattc gttcgtctga 120  
cttgggtata ggggcgaaag actaatcgaa ccatctagta gctggttccc tccgaagttt 180  
ccctcaggat agctggagcc cattacgagt tctatcggt aaagccaaatg attagaggca 240  
tcggggcgc aacgcctcg acctattctc aaactttaaa tagttaggac ggcgcggctg 300  
ctccgggtgag cccgcgccacg gaatcgggag ctccaagttgg gccattttg gtaaggcagaa 360  
ctggcgatgc gggatgaacc ggaagcctgg ttacggtgcc gaactgcgcg ctaacctaga 420  
acccacaaag ggtgttggtc gattaagaca gcaggacggt ggtcatggaa gtcgaaatcc 480  
gctaaggagt gtgtacaac 500

<210> 38  
<211> 500  
<212> DNA  
<213> Oryza rufipogon

<220>  
<223> A009E11 R: the other terminus of DNA fragment  
Page 11

2007-01-26 0230-0238PUS11

A009E11 to A009E11 F.

<400> 38

tcgaggcggc cggccgcggc	gcgtcgccg	ggccggctt	gccggggca	cggcccttg	60
ggggcttgcg	ccccctaact	gggtcgggc	gggcggcgg	cgcaggcgcc	120
ttggatctcg	acttagaggc	gttcagtcat	aatccggcac	acggtagctt	180
gttttcaac	caagcgcgt	gaccaattgt	gtaatcaac	ggttcccttc	240
gaattactat	cgcggcacgg	tcatcagtag	ggtaaaacta	acctgtctca	300
aacccagctc	acgttccctt	ttgggtgggt	aacaatccaa	cacttggtga	360
acaatgatag	gaagagccga	catcgaagga	tcaaaaagca	acgtcgctat	420
ctgccacaag	ccagttatcc	ctgtggtaac	tttctgaca	cctctagctt	480
aggctaaag	gatcgatagg			caaactccga	500

<210> 39

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A008B02 F: one terminus of DNA fragment A008B02.

<400> 39

tcatatatatta	attctctctc	tctaaaaata	taaaaaaaaaag	gagtctgcgc	60
gccataaaaag	gtccaagcca	taacaagtga	gaagctatac	ggctcaattc	120
accctaatat	agctggctct	ttgggttatt	tgaatattct	ccaagaattc	180
accgttattg	cttctgtaaa	catagtagct	aaataatccc	aacgtgttac	240
tattgtataa	tagttcggtt	ttccgcgatt	ttttccattc	ctctgtgtaa	300
atgggttcac	aatcaataac	atcttcacca	tcgagagataa	cgatcagtcg	360
tgcattgatg	ggtgctgagg	gcccatattt	actatcatga	aagaacacca	400

<210> 40

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A008B02 R: the other terminus of DNA fragment  
A008B02 to A008B02 F.

<400> 40

tcgaagacgc	ggaatggtag	tgaatagaga	gaaagattct	tctggtttc	60
aaatattcta	tctatctct	agacgcgt	gagaattttag	aattttcatg	120
ctcgactcg	taatttggaaa	gttacggaag	gagatccatc	attttcaat	180
taaaaaactc	tggacaattt	cgaaatcagg	ccaagcgtct	taatacatat	240
tcattattgg	cccaccatg	attagaagat	ttaacttgc	tgaatcgcta	300
acgaataatg	gcagttgtt	cagtagtgc	aggatacaga	tgtatccaca	360
agttacttaa	tagcctattt	cttataccat	atctctatcc	attcatttag	400

<210> 41

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A083G04 F: one terminus of DNA fragment A083G04.

<400> 41

tcgatggtag	gataggggcc	taccatggtg	gtgacgggt	acggagaatt	60
tccggagagg	gagcctgaga	aacggctacc	acatccaagg	aaggcagcag	120
tacccaatcc	tgacacgggg	aggttagtgac	aataaataac	aataccgggc	180
ctggtaattt	gaatgagtag	aatctaaatc	ccttaacgag	gatccattgg	240
tggtgcacgc	agccgcggta	attccagctc	caatagcgt	tatthaagtt	300

2007-01-26 0230-0238PUS11

aaaagctcgta gttggacct tggccggc cggccggtcc gcctcacggc gagcaccgac 360  
ctgctcgacc cttctgcgg cgatgcgctc ctggcctaa 400

<210> 42

<211> 360

<212> DNA

<213> Oryza rufipogon

<220>

<223> A083G04 R: the other terminus of DNA fragment  
A083G04 to A083G04 F.

<400> 42

tcgaggattatc atgaatcatc ggatcagcgg gcggagccc cgtcagcctt ttatctaata 60  
aatgcgcggcc tccccggaaat cgggggttgt tgacgtatt agctctagaa ttactacggt 120  
tatccggatc gcacgtacca tcaaacaacataactgat ttaatgagcc attcgcagtt 180  
tcacagttcg aatttagttca tacttgcaca tgcatggctt aatcttgag acaaggat 240  
gactactggc aggatcaacc aggtacgcacg tcctccggaa cgagccgcg ccgtccgacg 300  
cgcgtcgccg ccgccccccgg gtcgggagcg gcggacacgg cgccggccgg gcgggctgtc 360

<210> 43

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A088E02 F: one terminus of DNA fragment A088E02.

<400> 43

tcgaggcctcc accagagttt cctctggctt cggccggctc aggcatagtt caccatctt 60  
cggttcccgaa caggcggtct ccaactcgaa cccttcacag aagatcaggg tcggccagcg 120  
gtgcggcccg tgagggcctc cgcgtcgta gcttccttgc gcatcccagg tttcagaacc 180  
cgtcgactcg cacgcgtgtc agactccttg gtccgtgttt caagacgggt cggatgggaa 240  
gcccgcaggc cggtgcagcg cagccccccgg agggggcgcgc cagaggcgcg cggtgaccgg 300  
ctgcggcggac gacggctgcc gggggcgcgg agccccccggg ctttggccgc cggcgcggcc 360  
gacaacggtc cacgcggccga gccgatcgcc ggaccagccg 400

<210> 44

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A088E02 R: the other terminus of DNA fragment  
A088E02 to A088E02 F.

<400> 44

tccaggcgtg gaggctgcgg cttatattga ctcaacacgg gaaaaacttac caggtccaga 60  
catagcaagg attgacagac tgagagctt ttcttgattc tatgggttgt ggtgcgtggc 120  
cggttttagt tgggtggacgg attttgtctgg ttaattccgt taacgaacga gacccatggcc 180  
tactaacttag ctatgcggag ccatccctcc gcagctagct tcttagaggg actatggccg 240  
tttaggccac ggaagtttga ggcaataaca ggtctgtat gccccttagat gttctgggccc 300  
gcacgcgcgc tacactgtat tattcaacga gtatatacgcc ttggccgaca ggcccgggta 360  
atcttggaa atttcatgtt gatggggata gatcattgtca 400

<210> 45

<211> 400

<212> DNA

<213> Oryza rufipogon

<220>

<223> A089F12 F: one terminus of DNA fragment A089F12.



2007-01-26 0230-0238PUS11

<213> artificial sequence  
<220>  
<223> reverse primer for amplifying DNA fragment A029B04 R.  
<400> 50  
aagtaacatg agaaaaaaaaa acat  
<210> 51  
<211> 24  
<212> DNA  
<213> artificial sequence  
<220>  
<223> forward primer for amplifying DNA fragment A028C04 F.  
<400> 51  
tcgattaaga caggcaggacg gtgg  
<210> 52  
<211> 24  
<212> DNA  
<213> artificial sequence  
<220>  
<223> reverse primer for amplifying DNA fragment A028C04 F.  
<400> 52  
gcaagtgccg ttcacatgga acct  
<210> 53  
<211> 24  
<212> DNA  
<213> artificial sequence  
<220>  
<223> forward primer for amplifying DNA fragment A028C04 R.  
<400> 53  
tcgagggcgt tgccgcggccg atgc  
<210> 54  
<211> 24  
<212> DNA  
<213> artificial sequence  
<220>  
<223> reverse primer for amplifying DNA fragment A028C04 R.  
<400> 54  
ccgtcttgaa acacggacca agga  
<210> 55  
<211> 24  
<212> DNA  
<213> artificial sequence  
<220>  
<223> forward primer for amplifying DNA fragment A048F12 F.  
<400> 55  
tcgatgttgtt ctttcgtcgag gccg

24

24

24

24

24

2007-01-26 0230-0238PUS11

<210> 56  
<211> 24  
<212> DNA  
<213> artificial sequence  
  
<220>  
<223> reverse primer for amplifying DNA fragment A048F12 F.

<400> 56  
caacaaccga gcaatacagt tcaa 24

<210> 57  
<211> 24  
<212> DNA  
<213> artificial sequence

<220>  
<223> forward primer for amplifying DNA fragment A048F12 R.

<400> 57  
tcgagtggtc ggcgtccccc ggcc 24

<210> 58  
<211> 24  
<212> DNA  
<213> artificial sequence

<220>  
<223> reverse primer for amplifying DNA fragment A048F12 R.

<400> 58  
ccggagttca ccatgccccg gggc 24

<210> 59  
<211> 24  
<212> DNA  
<213> artificial sequence

<220>  
<223> forward primer for amplifying DNA fragment A049A01 F.

<400> 59  
tcgaactaac gctaacaacg tgca 24

<210> 60  
<211> 24  
<212> DNA  
<213> artificial sequence

<220>  
<223> reverse primer for amplifying DNA fragment A049A01 F.

<400> 60  
atttggcgca tctgaacact gaac 24

<210> 61  
<211> 24  
<212> DNA  
<213> artificial sequence

<220>  
<223> forward primer for amplifying DNA fragment A049A01 R.

2007-01-26 0230-0238PUS11

<400> 61  
tcgagtgcca tcctttctc aatg 24  
  
<210> 62  
<211> 24  
<212> DNA  
<213> artificial sequence  
  
<220>  
<223> reverse primer for amplifying DNA fragment A049A01 R.  
  
<400> 62  
  
gtttttgttc gttacaatga gaac 24  
  
<210> 63  
<211> 24  
<212> DNA  
<213> artificial sequence  
  
<220>  
<223> forward primer for amplifying DNA fragment A046A06 F.  
  
<400> 63  
tcgaactacc gagctccccc taat 24  
  
<210> 64  
<211> 24  
<212> DNA  
<213> artificial sequence  
  
<220>  
<223> reverse primer for amplifying DNA fragment A046A06 F.  
  
<400> 64  
gtagctgaaa ggcgttaaccg tacc 24  
  
<210> 65  
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<213> artificial sequence  
  
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<223> forward primer for amplifying DNA fragment A046A06 R.  
  
<400> 65  
tcgaacttgt cttccaattt gcgt 24  
  
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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11

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2007-01-26 0230-0238PUS11  
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2007-01-26 0230-0238PUS11

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<400> 153  
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<210> 154  
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2007-01-26 0230-0238PUS11

<212> DNA

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<210> 160

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acgaggagcc cgacaaggag ac 22

<210> 161

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tcaaatacca ctcatgaact tccg 24

<210> 162

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<220>

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fragment AS22 used in PCR2 (reverse)

<400> 162

attatctgtt gtgtccgaaa tgtg 24